

FIG. 1
Prior Art

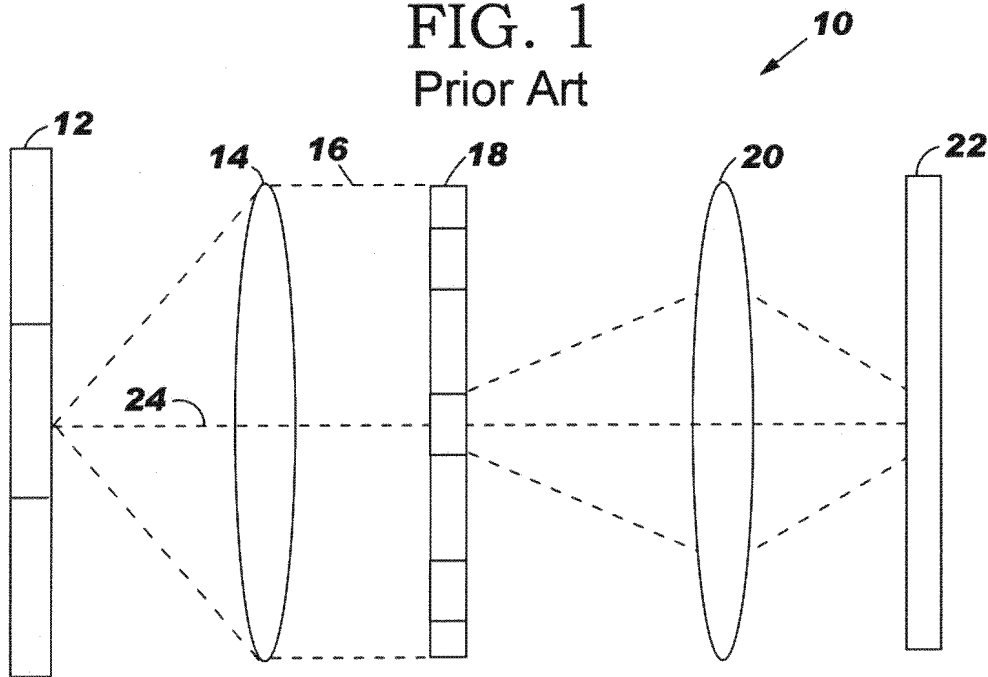


FIG. 2

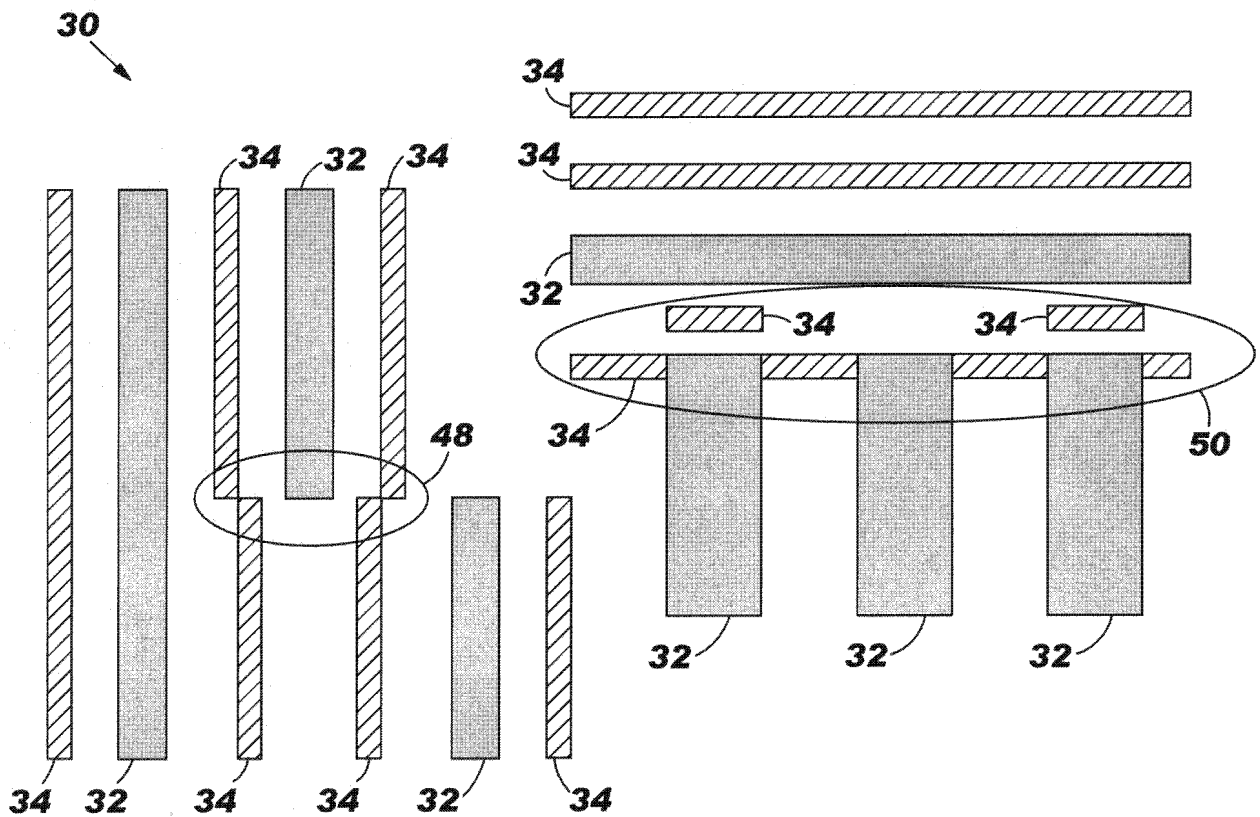


FIG. 3

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38	40	42	44	46
#A	Pitch	Line Bias	Assist Width	Loc1
0	0.325	0.1625	0	0
0	0.3375	0.16875	0	0
0	0.35	0.175	0	0
1	0.5	0.15625	0.059375	0
1	0.5125	0.1625	0.059375	0
1	0.525	0.16875	0.0625	0
2	0.7	0.14375	0.05	0.1375
2	0.7125	0.14375	0.05625	0.13437
2	0.725	0.15	0.05625	0.1375

FIG. 4

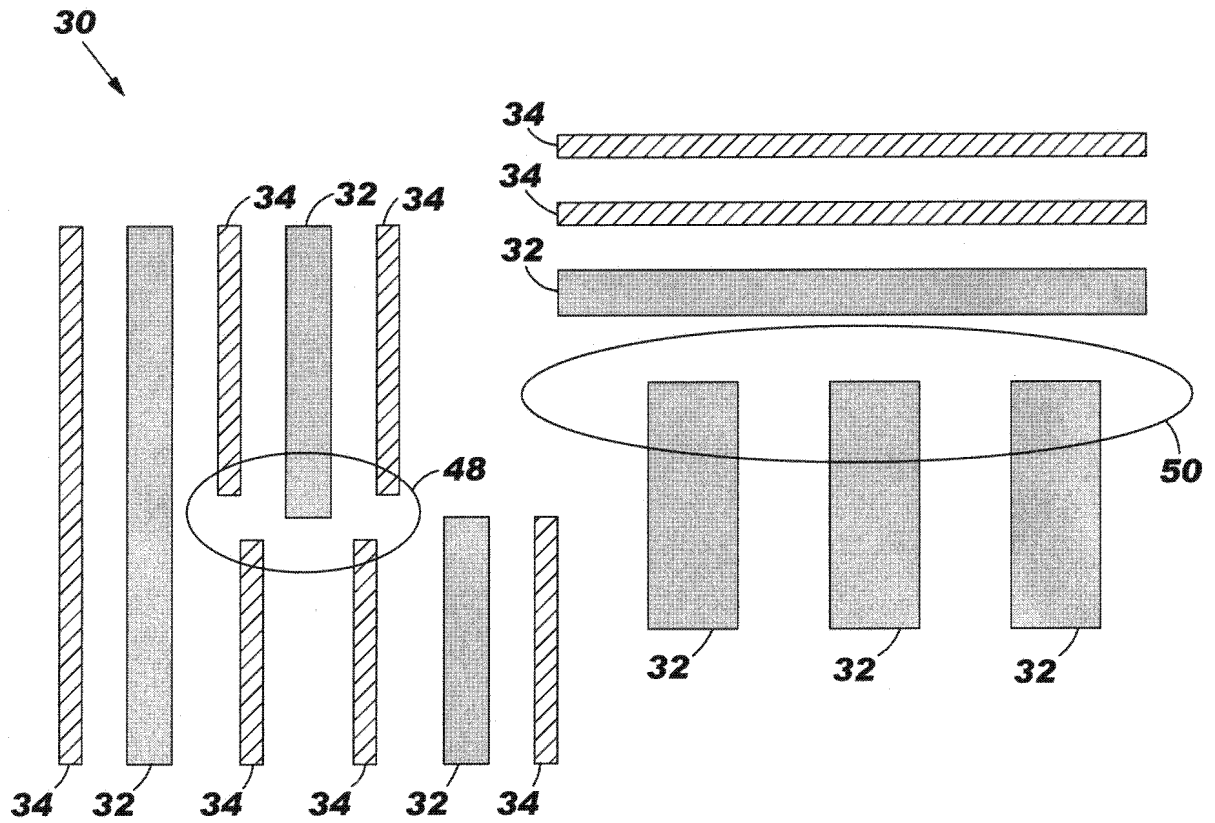


FIG. 5

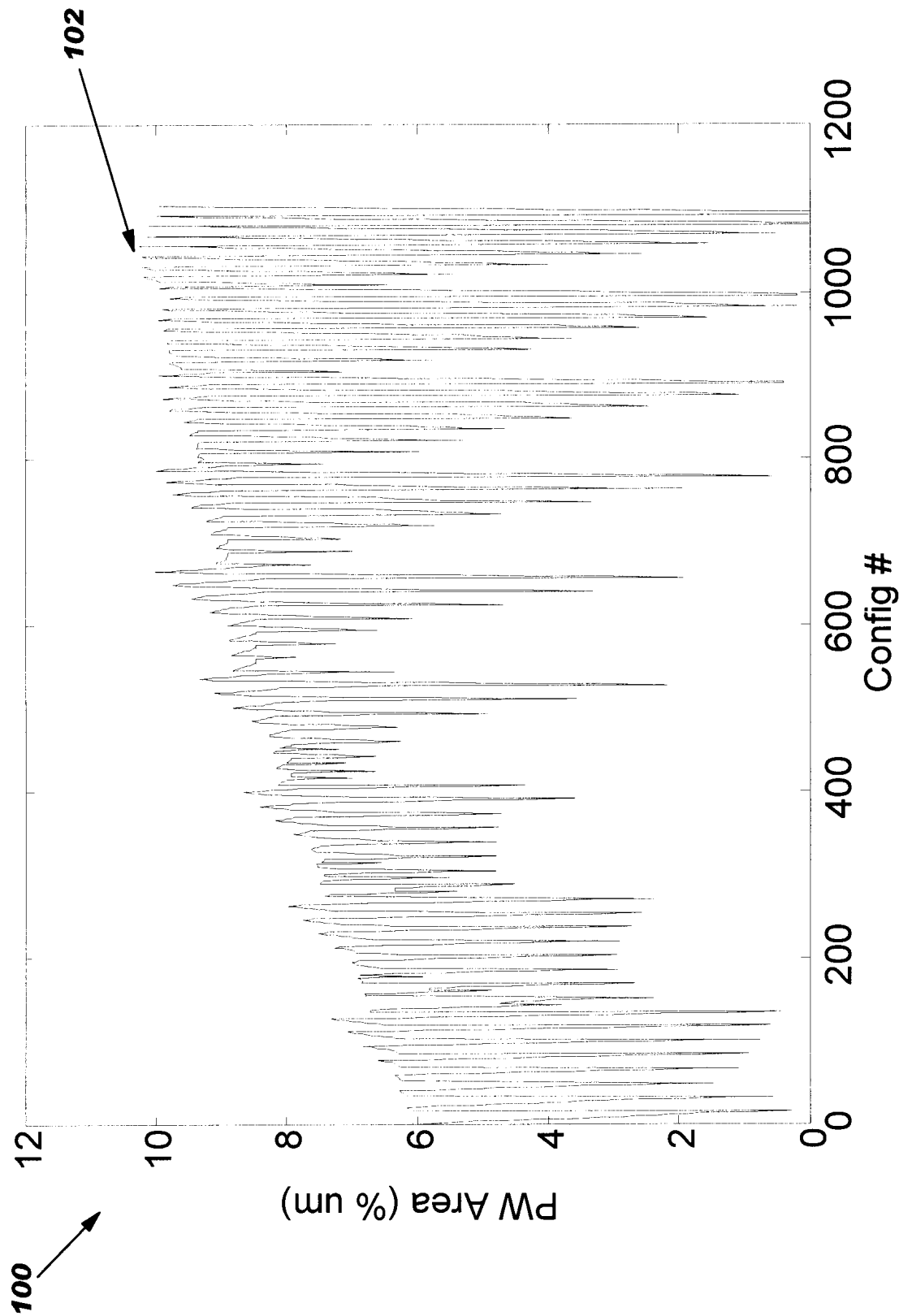


FIG. 6

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Assist Width	Loc1	PW Area (% μm)	PWareaRank
0.05	0.15625	10.1708	2
0.05	0.159375	10.2137	3
0.053125	0.15625	10.1838	4
0.053125	0.159375	10.2267	5
0.05625	0.153125	10.1538	6
0.05625	0.15625	10.1967	7
0.05625	0.159375	10.2396	8
0.0625	0.159375	10.1733	9

FIG. 7

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Pitch	#A	Assist Width	Loc1	PWareaRank
0.7	2	0.059375	0.159375	1
	2	0.05625	0.159375	2
	2	0.053125	0.159375	3
	2	0.05	0.159375	4
	2	0.05625	0.15625	5
	2	0.053125	0.15625	6
	2	0.0625	0.159375	7
	2	0.05	0.15625	8
	2	0.05625	0.153125	9

FIG. 8

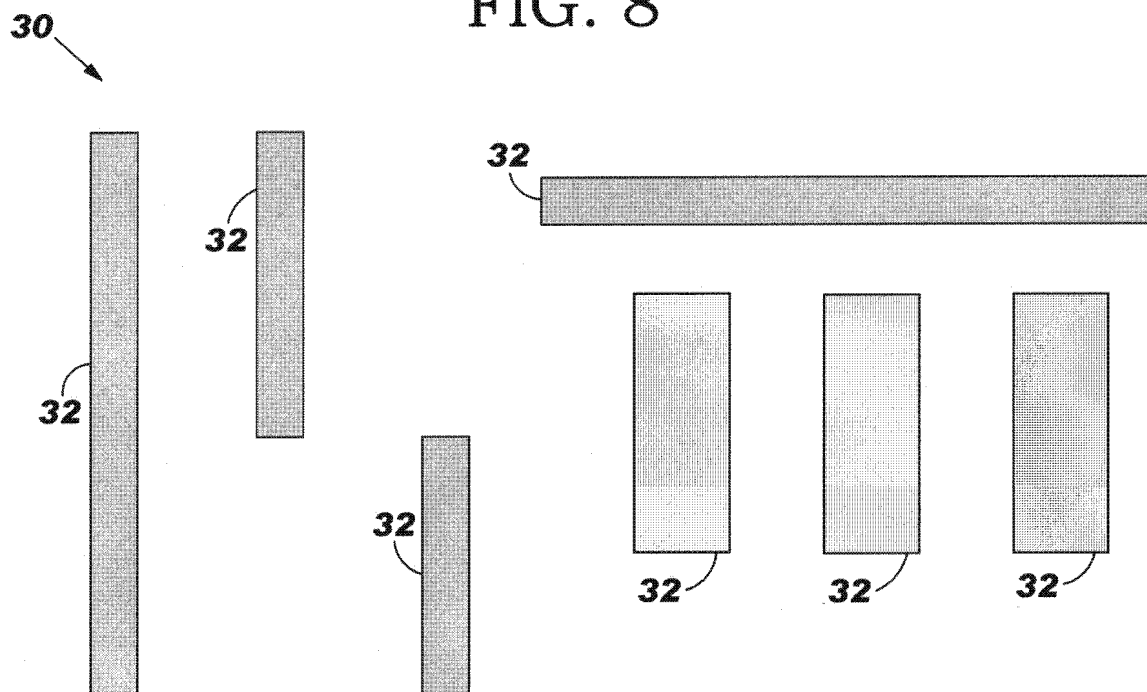
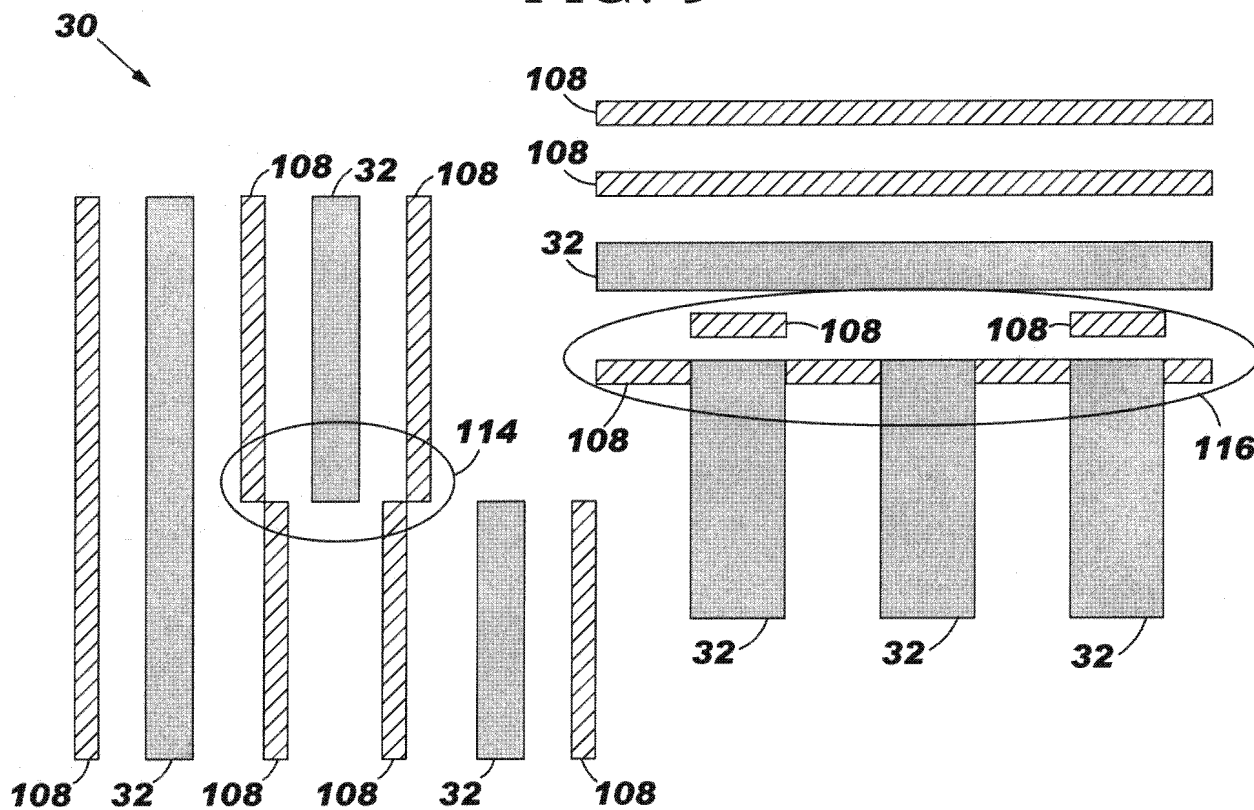


FIG. 9



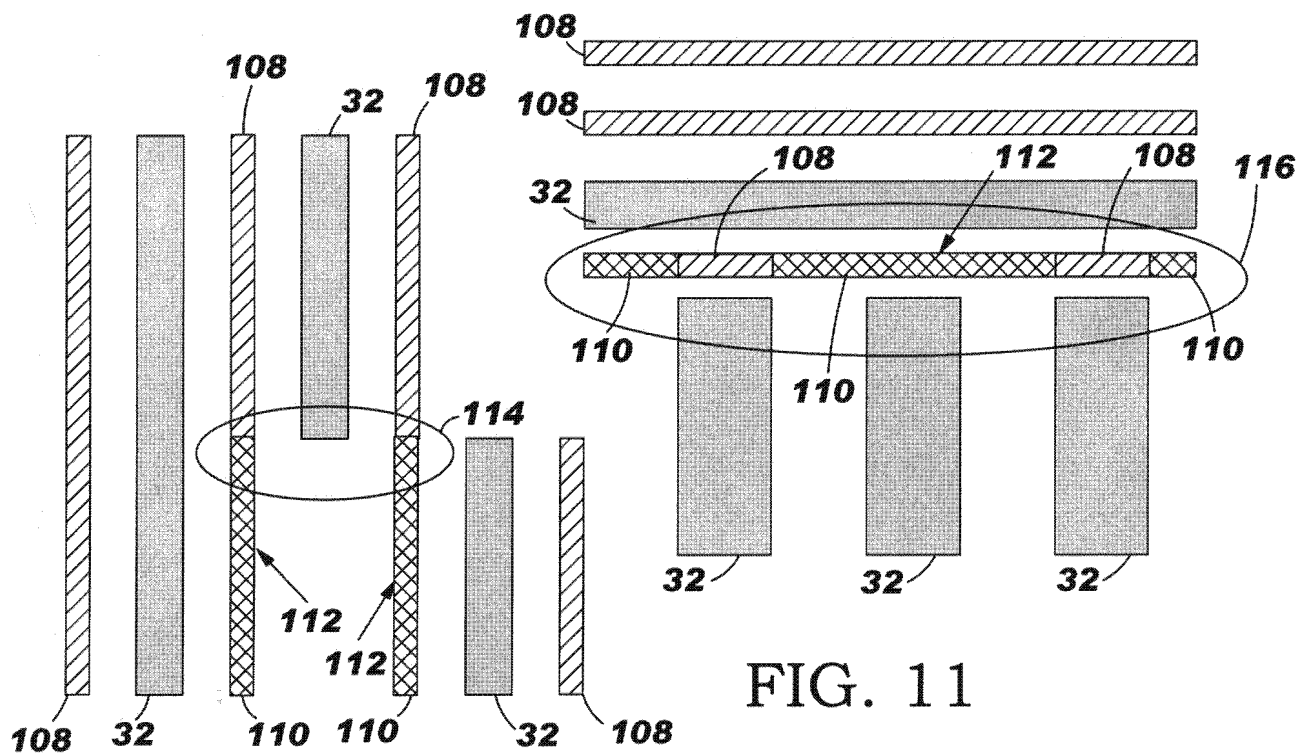
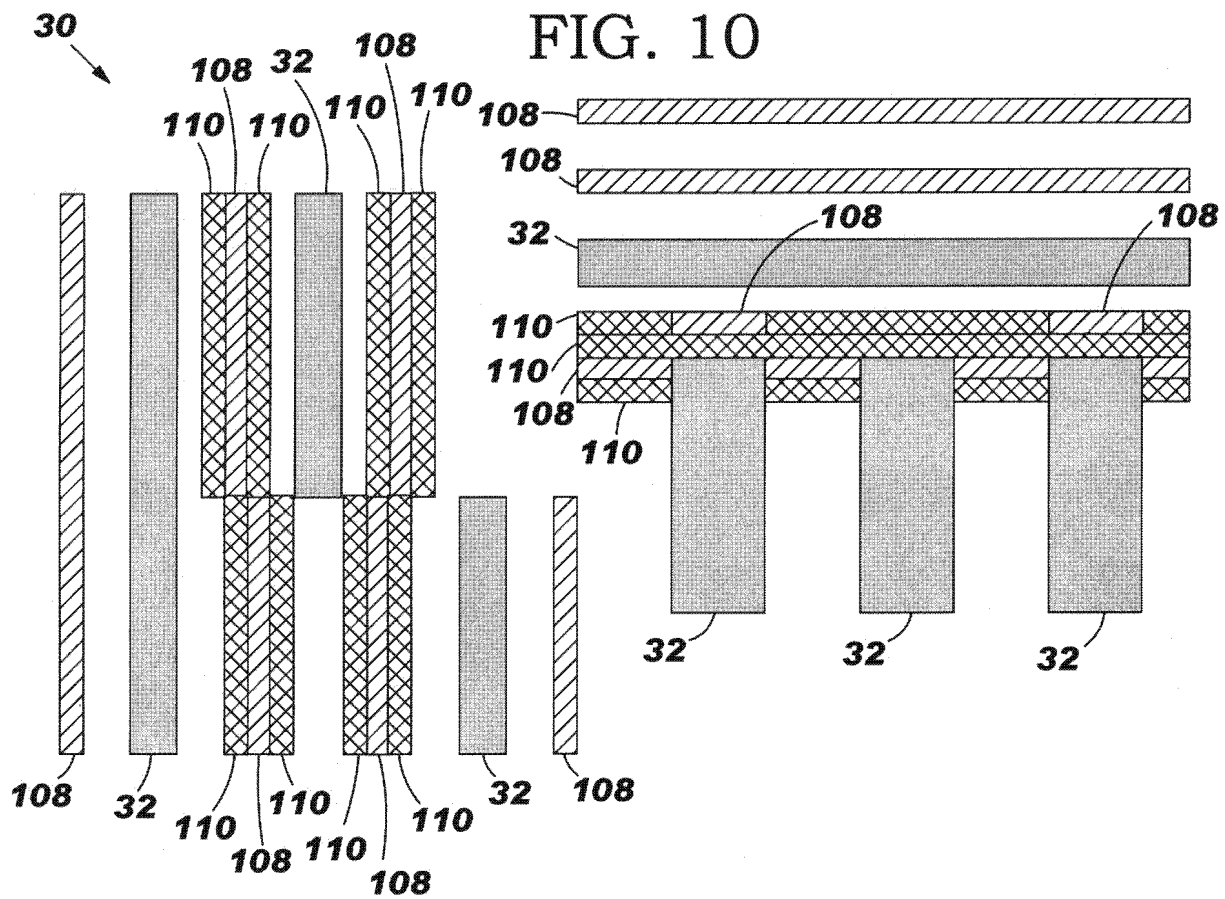
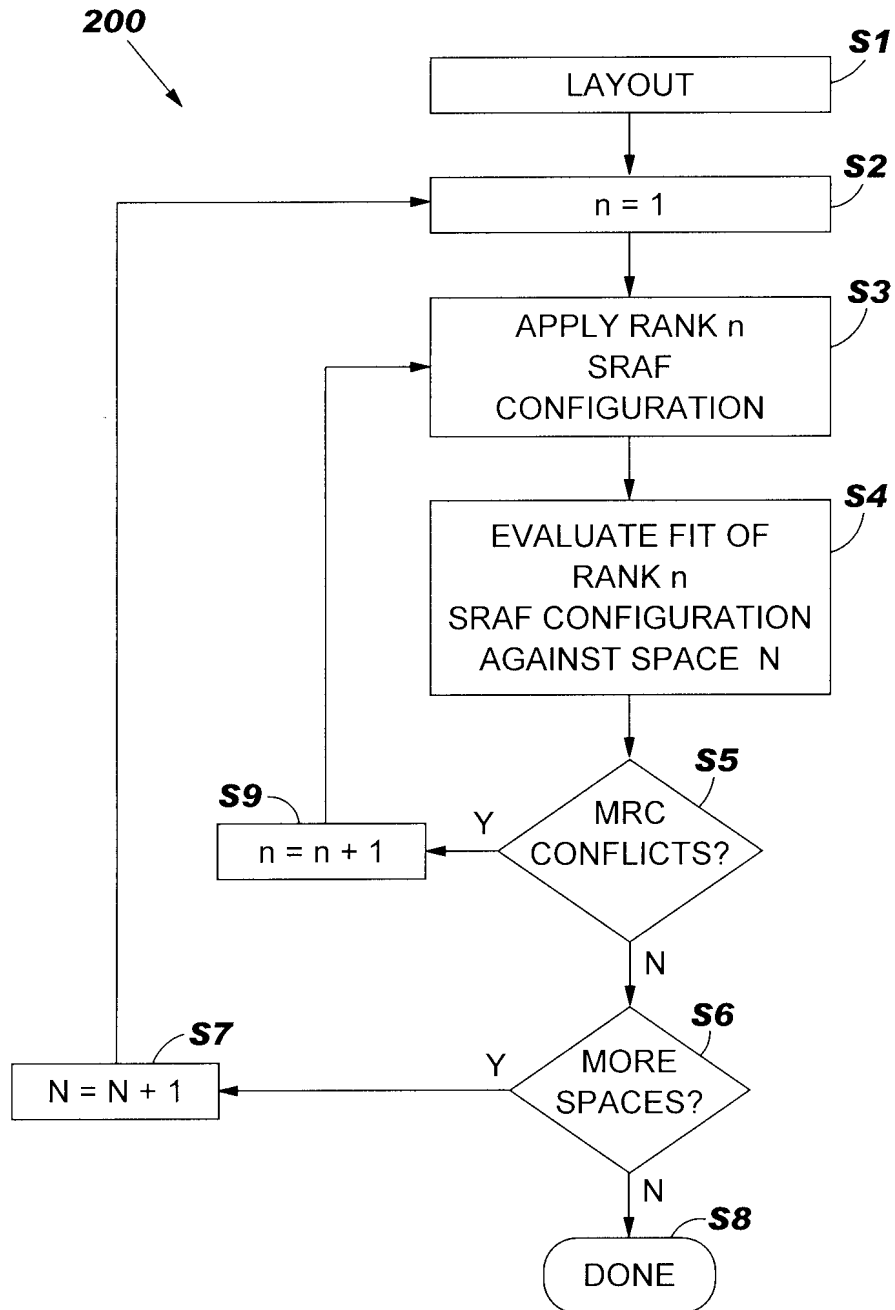


FIG. 12



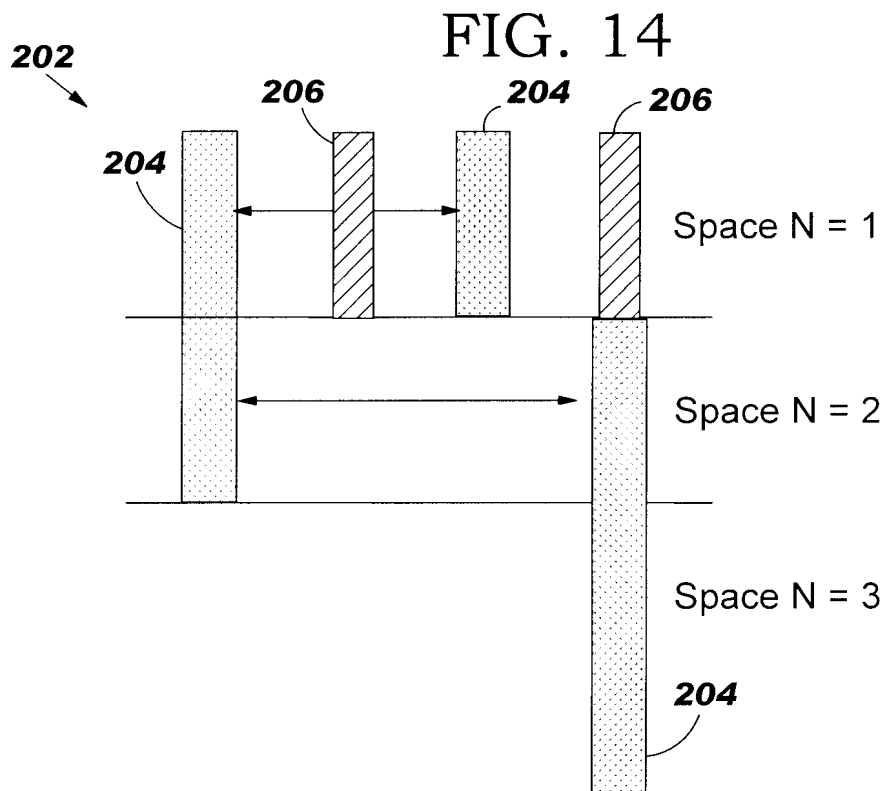
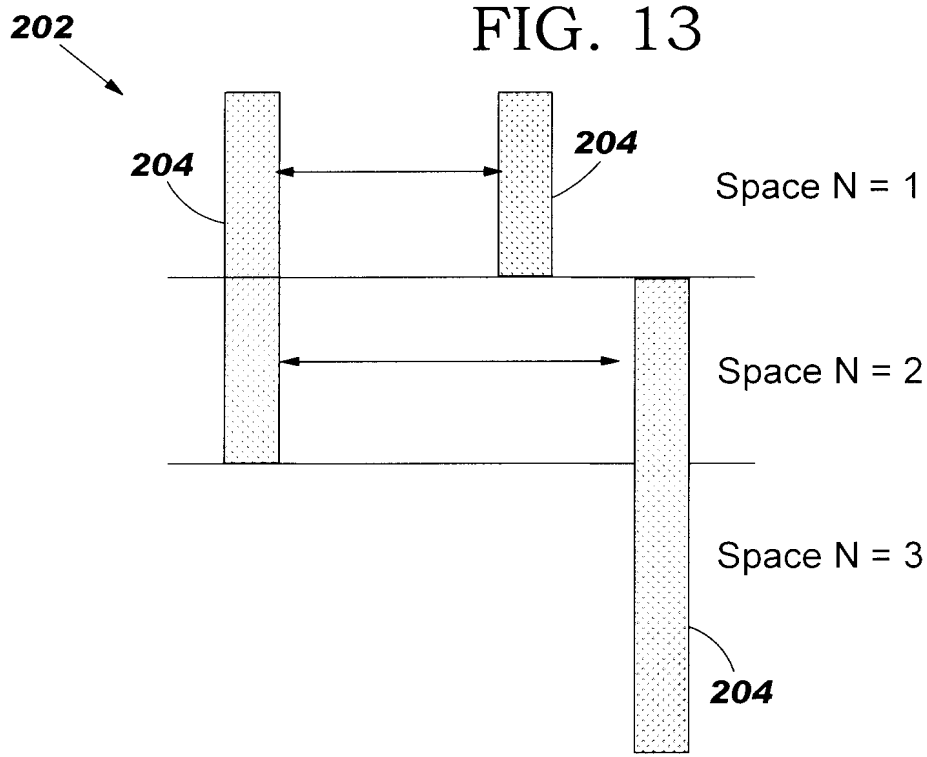


FIG. 15

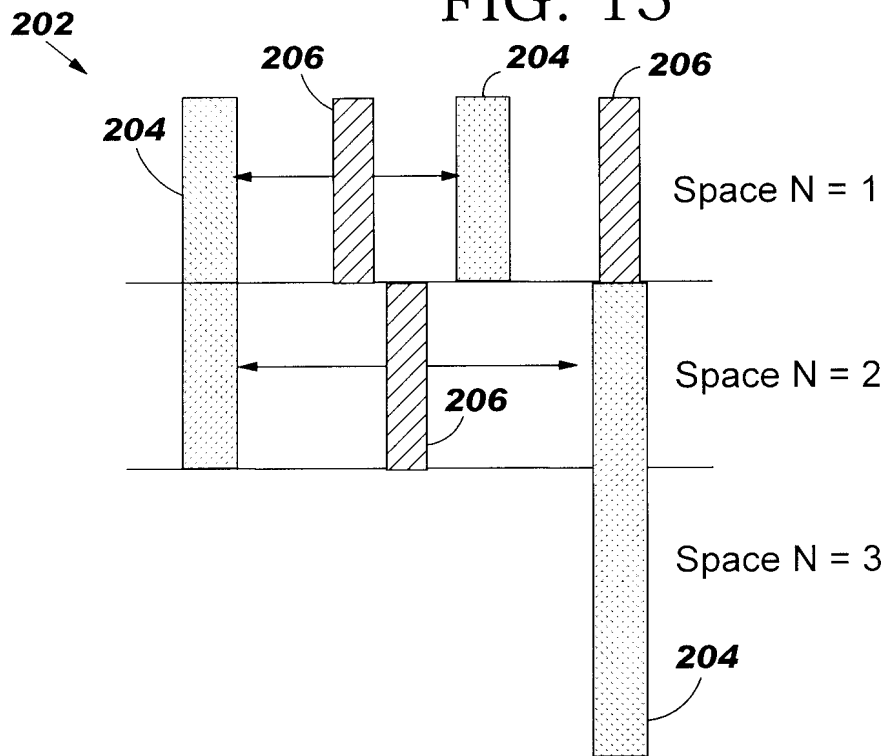


FIG. 16

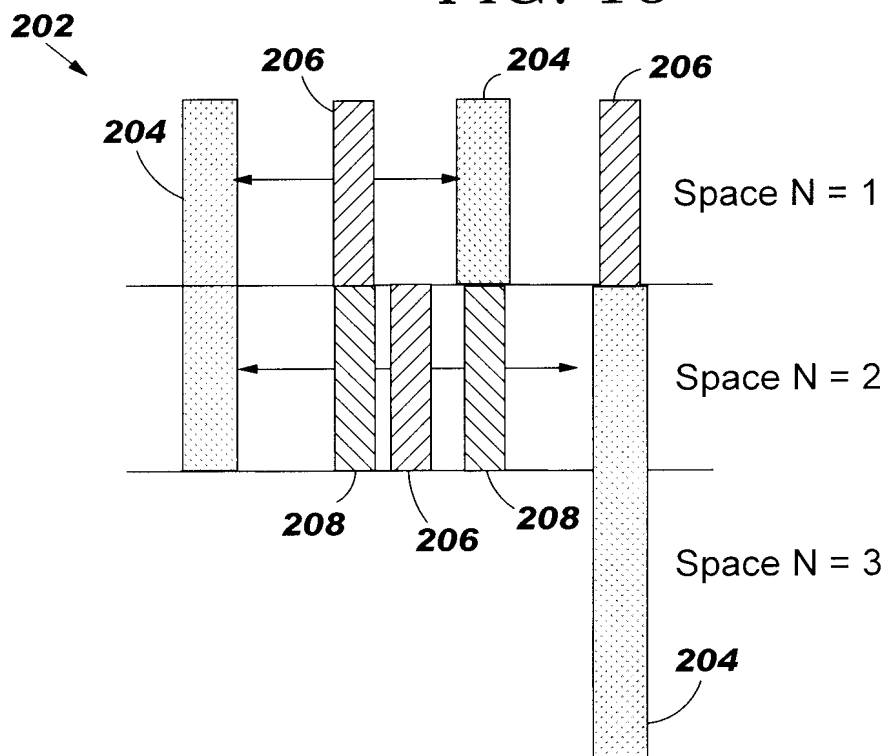


FIG. 17

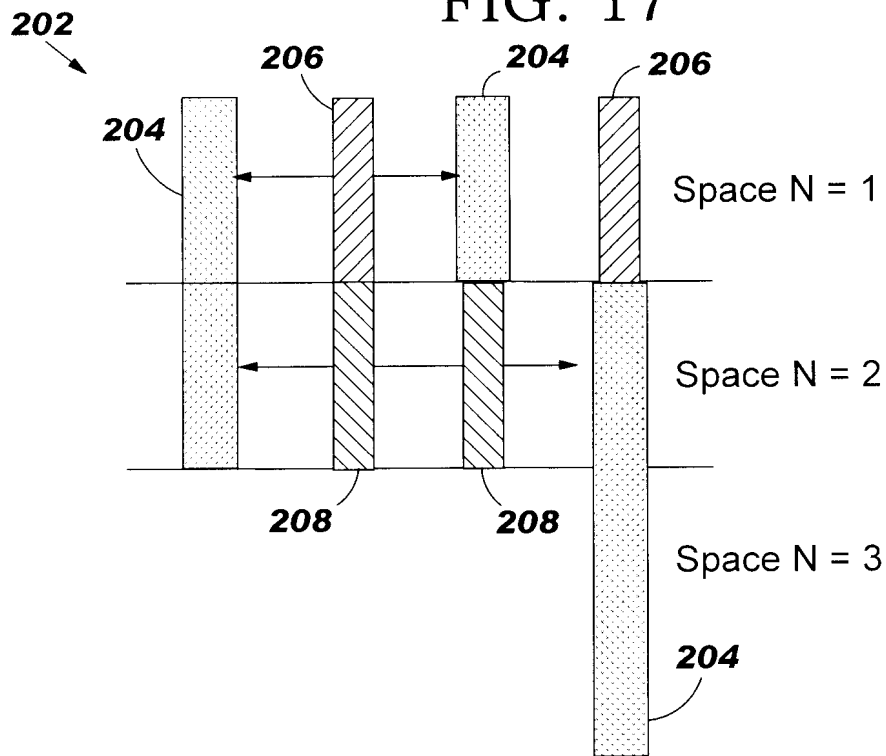


FIG. 18

